## 10/510529

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application

Arryx, Inc. et al.

of:

Serial No.:

Unknown

Filed:

Herewith

For:

APPARATUS AND METHOD TO GENERATE AND

CONTROL OPTICAL TRAPS TO MANIPULATE SMALL

**PARTICLES** 

Atty. Dkt. No.:

89000-0109

Mailstop PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## **EXPRESS MAIL CERTIFICATE**

ER775756945US

EXPRESS MAIL LABEL NO.: ER 775 756 945 US

DATE OF DEPOSIT: October 7, 2004

This is to certify that I deposited the following documents with the United States Postal Service, postage prepaid, in an envelope addressed to Commissioner of Patents, Mailstop PCT, P.O. Box 1450, Alexandria, Virginia 22313-1450 on October 7, 2004:

Transmittal Letter to the United States Designated/Elected Office
 (DO/EO/US) Concerning A Submission Under 35 U.S.C. 371.

Mary F. Peltier

BH01\484516.1 ID\CMCL

			D102	Rec'd PCT/PTO U / UCI 2004								
FORM F	TO-139 7-2004)	(Modified) U.S. PATENT AND TRADEM	ARK OFFICE; U.S. DEPARTMENT OF COMMERCE	ATTORNEY'S DOCKET NUMBER								
	FR	ANSMITTAL LETTER	TO THE UNITED STATES	89000-0109								
		DESIGNATED/ELECTE	ED OFFICE (DO/EO/US)	U.S. APPLICATIONNO. (If known, see 37 CFR 1.5)								
	CO		SION UNDER 35 U.S.C. 371	10/510529								
INTE		ONALAPPLICATIONNO. PCT/US03/10936	INTERNATIONAL FILING DATE 10 April 2003	PRIORITY DATE CLAIMED 10 April 2002								
	ARA		ENERATE AND CONTROL OPTICAL	L TRAPS TO MANIPULATE SMALL								
		r(s) FOR DO/EO/US INC.; GRIER, David; LOPE	S, Ward									
Appli	cant h	erewith submits to the United Sta	tes Designated/Elected Office (DO/EO/US) th	e following items and other information:								
1.	$\boxtimes$	This is a FIRST submission of it	tems concerning a submission under 35 U.S.C	. 371.								
2.		This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.										
3.		This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.										
4.	$\boxtimes$	The US has been elected (Article 31).										
5.	$\boxtimes$	A copy of the International Application as filed (35 U.S.C. 371 (c) (2))										
		a.  is attached hereto (required only if not communicated by the International Bureau).										
5		b.  has been communicated by the International Bureau.										
		c.  is not required, as the application was filed in the United States Receiving Office (RO/US).										
6.		An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).										
	a. is attached hereto.											
		b.   has been previously sul	bmitted under 35 U.S.C. 154(d)(4).	٠.								
7.	$\boxtimes$	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))										
		a.   are attached hereto (required only if not communicated by the International Bureau).										
		b.  have been communicated by the International Bureau.										
	c. $\square$ have not been made; however, the time limit for making such amendments has NOT expired.											
		d. 🛭 have not been made and will not be made.										
8.		An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).										
9.		An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).										
10.		An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).										
11.		A copy of the International Preli	minary Examination Report (PCT/IPEA/409).									
12.	$\boxtimes$	A copy of the International Search	ch Report (PCT/ISA/210).									
lt	ems 1	3 to 23 below concern documen	t(s) or information included:									
13.		An Information Disclosure State	ement under 37 CFR 1.97 and 1.98.									
14.		An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.										
15.		A FIRST preliminary amendment.										
16.		A SECOND or SUBSEQUENT preliminary amendment.										
17.		A substitute specification.										
18.		A power of attorney and/or change of address letter.										
19.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.										
20.		A second copy of the published International Application under 35 U.S.C. 154(d)(4).										
21.		A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).										
22.	$\boxtimes$		R 775 756 945 US									
23.	$\boxtimes$	Other items or information:										
		Postcard										

U.S. A	s. APPLICATIONNO (ichnown 5017018529 INTERNATIONAL APPLICATIONNO. PCT/US03/10936								ATTORNEY'S DOCKET NUMBER 89000-0109						
24.	Т	he foll	owing fe	es are sub	mitted:	•						CA	LCULATION	s	PTO USE ONLY
BASI	Neithe interna	r inter	national p search fe	e (37 CFI	y exam R 1.445	ination (a)(2))	fee (37 C	CFR 1.482 SPTO O or JPO			\$1110.00		-		
⊠															
											1				
☐ International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4)										<u> </u>					
ENTER APPROPRIATE BASIC FEE AMOUNT = Surcharge of \$130.00 for furnishing the oath or declaration later than $\Box$ 20 $\Box$ 30										+	\$780.00				
month	s from t	he ear	liest clair	ned priori	ty date	(37 CF	R 1.492(	e)).	L 20		□ 30		\$0.00		
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	TOTAL OF ABOVE CARECULATIONS										\$0.00				
									SUB	TO1	ΓAL =	†	\$1,676.00	Г	
Proces month	Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492(f)).										\$0.00				
							TOT	AL NA	TIONAL	LFI	EE =	1	\$1,676.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).											\$0.00				
							TOTA	L FEE	S ENCL	OS	ED =		\$1,676.00		
										Am	Amount to be: \$ refunded \$				
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a.		A ch	eck in the	e amount	of			to cover tl	he above fee	s is e	nclosed.				
b.	b. Please charge my Deposit Account No. 04-2223 in the amount of \$1,676.00 to cover the above fees.														
c.	c. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 04-2223:														
d.															
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR															
1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.  SEND ALL CORRESPONDENCE TO:															
Nancy R. Gamburd, Esq. SIGNATURE									X		_				
	DYKEMA GOSSETT PLLC										ų.		•		
-Chicago, Illinois 60606  John W. Ree									es						
Tel: 312-876-1700 NAME															
Fax: 312-876-1155 38,278								_							
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	October 7, 2								004	004					
DATE															